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NOTICE OF ALLOWANCE AND FEE(S) DUE

207

7590

08/05/2010

WEINGARTEN, SCHURGIN, GAGNEBIN & LEBOVICI LLP TEN POST OFFICE SQUARE BOSTON, MA 02109 EXAMINER

LEUBECKER, JOHN P

ART UNIT PAPER NUMBER

3739

DATE MAILED: 08/05/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/092,033	03/05/2002	Stephen F. Fulghum	NLI-002AX	7761	

TITLE OF INVENTION: AUTOFLUORESCENCE IMAGING SYSTEM FOR ENDOSCOPY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	11/05/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

	ed below or directed oth	ng the Patent, advance on nerwise in Block 1, by (a							
CURRENT CORRESPOND		Note: A certificate of mailing can only be used for domestic mailings of t Fee(s) Transmittal. This certificate cannot be used for any other accompanyi papers. Each additional paper, such as an assignment or formal drawing, mu have its own certificate of mailing or transmission.				other accompanying			
WEINGARTE TEN POST OFF BOSTON, MA	FICE SQUARE	⁷²⁰¹⁰ GAGNEBIN & LE	BOVICI LLP	State	reby certify that the es Postal Service vessed to the Mail	is Fee(vith suf Stop	of Mailing or Trans s) Transmittal is being ficient postage for firs ISSUE FEE address 1) 273-2885, on the d	g depo st class above	sited with the United s mail in an envelope e, or being facsimile
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									(Signature)
									(Date)
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10/092,033 TITLE OF INVENTION	03/05/2002 I: AUTOFLUORESCEN	CE IMAGING SYSTEM	Stephen F. Fulght FOR ENDOSCOPY	ım			NLI-002AX		7761
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nonprovisional	NO	\$1510	\$300		\$0		\$1810		11/05/2010
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LEUBECKI	ER, JOHN P	3739	600-160000		_				
"Fee Address" ind PTO/SB/47; Rev 03-(Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Un	ND RESIDENCE DATA	"Indication form led. Use of a Customer A TO BE PRINTED ON Tified below, no assignee	or agents OR, alte (2) the name of a registered attorned 2 registered patent listed, no name with the PATENT (print data will appear on the part of t	rnatives single y or a tattor ill be or type	e firm (having as a gent) and the nam rneys or agents. If printed.	memb es of u no nam	er a 2 p to le is 3	ocume	ent has been filed for
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4a. The following fee(s) Issue Fee Publication Fee (N Advance Order	permitted)	 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). 							
5. Change in Entity Sta	tus (from status indicated is SMALL ENTITY state		☐ b Applicant is n	o long	per claiming SMA	LLEN	ΓΙΤΥ status. See 37 CI	FR 1.2	27(g)(2)
NOTE: The Issue Fee an	d Publication Fee (if requ	uired) will not be accepte	d from anyone other t						
interest as snown by the	records of the United Sta	tes Patent and Trademark	Comce.						
Authorized Signature					Date				
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an application. Confiden	tiality is governed by 35 d application form to the ions for reducing this but riginia 22313-1450. DO	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th O NOT SEND FEES OR	1.14. This collection depending upon the	is est	imated to take 12 i idual case. Any co	minutes	to complete, including on the amount of time	ig gath me voi	nering, preparing, and u require to complete

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WEINGARTEN,	SCHURGIN, GAGI	LEUBECKER, JOHN P				
TEN POST OFFIC		ART UNIT	PAPER NUMBER			
BOSTON, MA 02	109		3739			
		DATE MAIL ED: 08/05/2010				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)				
	10/092,033	FULGHUM, STEPHE	NF			
Notice of Allowability	Examiner	Art Unit				
	John P. Leubecker	3739				
The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commu IGHTS. This application is s	n this application. If not included unication will be mailed in due c	d ourse. THIS			
2. The allowed claim(s) is/are <u>1-6,8,10,11,21-26 and 36-52</u> .						
 3. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Applicatio	on No	on from the			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm	MENT of this application.					
INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of						
each sheet. Replacement sheet(s) should be labeled as such in to 6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATE	ERIAL must be submitted. No	ote the			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview S Paper No./ 7. ☐ Examiner's —	formal Patent Application ummary (PTO-413), 'Mail Date Amendment/Comment Statement of Reasons for Allow 	/ance			

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Art Unit: 3739

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: In view of the claim amendments to claims 1, 36 and 37 and Applicant's arguments filed June 3, 2010, independent claims 1, 36 and 37 are allowable over the prior art of record. Regarding the previous rejection over Kaneko et al. in view of Poindexter et al., all claims have been amended to recite that the single image detector detects an autofluorescence image having blue, green and red light components. The embodiment relied upon in Kaneko et al. (Fig.51) discloses a RGB color filter wheel (918) which indicates that the image detector (902) is a monochromatic image detector. Thus, in the Kaneko et al. device, during the time period in which an autofluorescence image is being obtained, such image will not have all of blue, green and red light components, as with a color image sensor. Although Palcic et al. implies use of a color image sensor (col.9, lines 37-43) and that the excitation light and reference light is transmitted by a common optical path, claim 37 (which is the only independent claim previously rejected over Palcic et al.) also recites that the optical combiner delivers "combined light" to the tissue. Since the embodiment in Palcic et al. that includes the single color image sensor (Fig.5) relies on transmission of sequential excitation and reference light, Palcic et al. fails to explicitly meet all elements of claim 37. Therefore, since none of the prior art of record explicitly teach or fairly suggest, alone or in combination, the combinations as now recited in claims 1, 36 and 37, all claims are being allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John P. Leubecker whose telephone number is (571) 272-4769. The examiner can normally be reached on Monday through Friday, 6:00 AM to 2:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Linda C.M. Dvorak can be reached on (571) 272-4764. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/John P. Leubecker/ Primary Examiner Art Unit 3739